free-maintenance battery
Technology Specification

Customer _____

Part name free-maintenance battery

Model No PK-1233 （12V3.3AH）

Serial No _____

Produce No _____

Approved by		**Drafted by**	Wenfei liang
Checked by		**Signed by**	Xiaojun nie
Prepared by		**Valid Date**	2018-10-30

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 If manufacturer want to modify the product technology specification, we won't inform you additionally)

PKCELL Green energy, easy life
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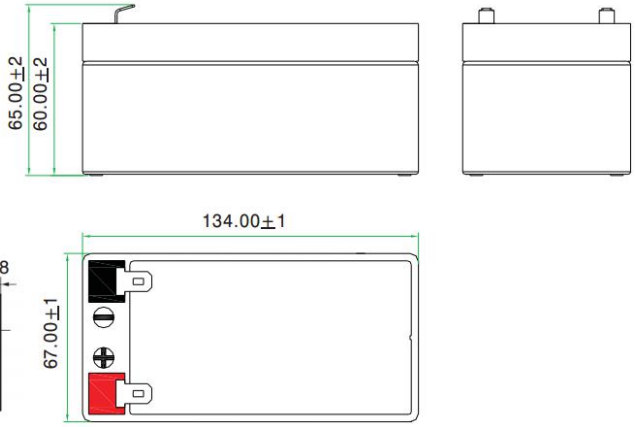
free-maintenance battery

PK-1233 **[12V3.3AH]**



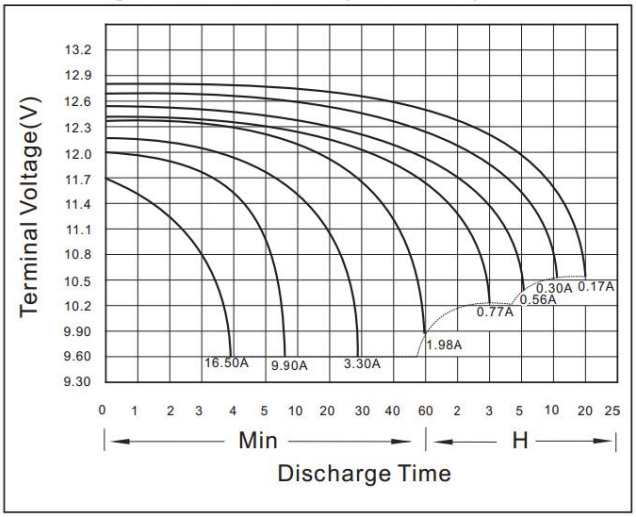
• Outer dimensions(mm)



Specifications

Nominal Voltage		12V	Rated Capacity (20 hour rate)	3.3AH
Dimensions ±1mm	Length	134mm 5.28 inches	Weight Approx :	1220g
	Width	67mm 2.64 inches	Standard Terminal	F1
	Height	60mm 2.36 inches		
	Total Height (With Terminals)	65mm 2.56 inches	Optional Terminal	N/A

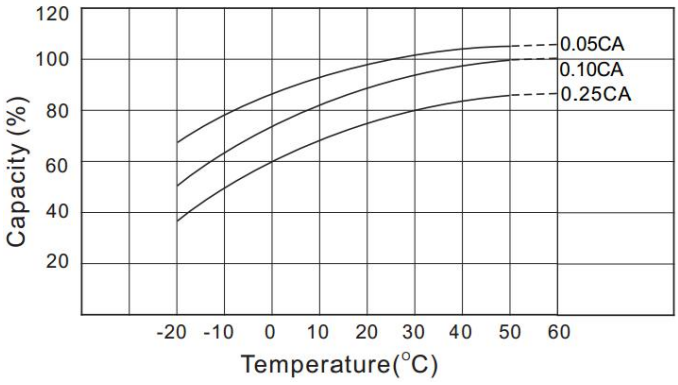
• Discharge Characteristics (25°C/77°F)



Electrical Specifications

Capacity 77°F(25℃)	20 hour rate(165mA)	3.30AH	Internal Resistance	60 mΩ
	10 hour rate(297mA)	2.97AH		
	5 hour rate (560mA)	2.80AH	Full charged battery 77°F (25℃)	
	1 hour rate(1980mA)	1.98AH		
Capacity Affected by Temperature (20 hour rate)	104°F (40℃)	102%	Self-discharge 77°F(25℃)	Capacity after 1 month storage 90%
	77°F (25℃)	100%		Capacity after 3 month storage 75%
	32°F (0℃)	80%		Capacity after 6 month storage 65%
	5°F (−15℃)	50%		Capacity after 12 month storage 55%
Charge Constant Voltage	Cycle use:Initial Charging Current less than 0.99A;Voltage 14.40~15.00V 77°F(25°C) Standby use:Voltage 13.50~13.80V 77°F(25°C)			

Temperature Effects in Relation to Battery Capacity



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